ESTIMATED FLOOD LOSSES FOR 1944 AND 19451

BENNETT SWENSON

Monetary losses from floods in the United States have been estimated at about \$94,000,000 for the year 1944, and nearly \$166,000,000 for 1945. A total of 119 lives were lost as a result of the floods during those two years, 28 during 1944, and 91 during 1945. Savings resulting from the flood forecasting and warning service were evaluated at about \$50,000,000.

Outstanding during 1944 was the extensive, destructive flooding in the Central States during April, May, and June, one year after the extraordinary floods of May 1943, in practically the same region. The greatest floods of record occurred in May in portions of the upper Neosho River, and the highest floods since 1903 occurred in the

lower Missouri. Record-high stages were approached in June in many streams and were exceeded in a few in the upper Mississippi River Basin in eastern Texas.

The major flood event of 1945 was that of the Ohio River in March. It ranked generally among the first four or five of the greatest floods of record in that river. The greatest flood of record in the upper Mohawk River Basin since 1918 occurred in October. Destructive flash floods also occurred in the small streams in the Lake Section of Rensselaer County and Columbia County, New York, on July 22d, as a result of intense thunderstorms.

! Flood loss statistics for 1942 and 1943 were published in the August 1945 issue of the Monthly Weather Review.

1944

	1011				·		
River and drainage	Tangible property	Matured crops	Prospective crops	Livestock and other movable farm property	Suspension of business	Total	Lives lost
HUDSON BAY DRAINAGE							
Red River of the North	\$600				\$500	\$1,100	
ST. LAWRENCE DRAINAGE						.,	ì
227 22 33 33 33	(}	1 28, 800	
Bad and White Rivers (Wisconsin)	50,000		\$50,000			100,000	
Total	50,000		50,000			128, 800	
SOUTH ATLANTIC SLOPE DRAINAGE			İ				
James River Roanoke, Tar, Neuse, and Cape Fear Rivers	241, 000 11, 300	\$100,000 225,000	32, 200	\$274, 200	33, 000 54, 500	648, 200 323, 000	
Pee Dee River.	7,700 100			1,500 2,500	21,000		
Broad River	1,500 1,500		11, 500 500	400 300	800 2, 400		
Catawba-Wateree Rivers	7,500				10,600	18, 100	
Savannah and Ogeechee Rivers Altamaha River	3,000 546,800	78, 000	1,000 101,700	26, 800 22, 200	52, 900 53, 000	83, 800 801, 700	
Total	820, 400	403, 100	146, 900	327, 900	228, 200	1, 926, 500	
EAST GULF OF MEXICO DEAINAGE		ļ]
Apalachicola River	1, 125, 600 35, 400	16,000 5,000	192, 000 22, 500	17, 0 00 2, 100	28, 900 48, 500	1, 379, 500 113, 500	
Conecuh River Tallapoosa River	20,000	3,000	20,000	25, 000	5,000	70,000	
Cahaba River		20, 000	75, 000		1,000 2,000	102, 000	
Tombigbee River		6,000	227, 800	25, 800	149, 400	878, 200	
Chickasawhay River	90, 500		4, 000	4, 500	500 16, 500	500 115, 500	
Pearl River	90, 500		4,000	<u></u>			
Total	1, 745, 700	47,000	541, 300	74, 400	251, 800	2, 660, 200	
MISSISSIPPI SYSTEM			ļ				
Upper Mississippi Basin			ļ				1
Minnesota River.			600,000 2 25,000		60,000	695, 000 25, 000	
Zumbro and Whitewater Rivers			40,000			40,000	
Buffalo and Trempealeau Rivers			6,000			6, 000 2, 000	
Root River.			2,000	200	300	1, 500	
Iowa River	125,000	5,000	260,000	50,000	20,000	460,000	
Skunk River	1, 532, 500	15, 900	1, 545, 000 595, 800	9, 700 1, 200	66, 000 100	3, 169, 100 777, 600	
Raccoon River.	1, 406, 100	1, 600 65, 300	840, 500	200, 100	57, 200	2, 569, 200	
Salt and Fox Rivers Illinois River	3,000		11, 500 756, 000		16, 500	14, 500 960, 000	
Meramec River	103, 100		178,000			281, 100 1, 119, 200	
Kaskaskia River Mississippi River (above Cape Girardeau, Mo.)	81, 400 5, 951, 600	250, 000	1, 037, 800 8, 704, 200	164, 800	1, 840, 000	16, 910, 600	7
Total	9, 595, 100	337, 800	14, 601, 800	436, 000	2, 060, 100	27, 030, 800	7

See footnotes at end of table.

ESTIMATED FLOOD LOSSES FOR 1944 AND 1945—Continued

1944—Continued

River and drainage	Tangible property	Matured crops	Prospective crops	Livestock and other movable farm property	Suspension of business	Total	Lives lost
MISSISSIPPI SYSTEM—continued							
Missouri Basin Yellowstone River	\$89, 100			\$5,000	\$7,700	\$101,800	
Little Missouri River	2.000			\$5,000	\$1, 1QU	2,000	
Heart River	9, 500					9, 500	
Cannonball RiverGrand River (South Dakota)		~- 				1 53, 400 1 379, 400	
Moreau River						1 62, 300	
Cheyenne River		~ -				1 16, 500	
Vermillion RiverBig Sioux River			\$528, 900 254, 600			551, 900 283, 200	
Aowa Creek (Nebraska)			81, 900		5, 600	218, 700	
Perry Creek (Sioux City, Iowa)	1,037,100					1, 037, 100	
Floyd River Little Sioux River	24, 800 91, 800	\$1,700	19, 300	300 100		46, 100	
Bover River	7, 500		676, 800 48, 600	100		768, 700 56, 100	
Boyer River Lodgepole Creek (Nebraska)	121, 400		125, 000			246, 400	
Elkhorn River	4, 766, 400	1, 300	3, 751, 000	633, 500	9, 500	9, 161, 700	:
Platte RiverNishabotna River	146, 400 45, 900		525, 400 652, 600		5, 000	671, 800 703, 500	
Tekamah Creek (Nebraska)	132, 300		507. 300		3,000	639, 600	
Little Nemaha River	1, 200		94, 800			96, 000	
Nodoway River (Missouri)Solomon River	16, 000 18, 100		11, 600 258, 100	100 2, 200		27, 700 278, 400	
Smoky Hill River	9,000		31,000	500	5, 000	45, 500	
Big Blue River	540, 500		1, 131, 900	300		1, 672, 700	
Republican River	199, 900 103, 000	1, 474, 400	20, 000 210, 900	1,600 144,500	10.000	3 1, 700, 900	
Kansas River Grand River (Missouri)	122, S00	3,000	568,000	1,000	16, 000 32, 000	477, 400 723, 800	
Chariton River Blackwater River (Missouri)	17, 900		85,000	900	• • • • • • • • • • • • • • • • • • • •	103, 800	
Blackwater River (Missouri)	4,900	171 000	173,000			178,000	
Osage River	964, 900 12, 452, 600	151, 000 26, 100	748, 200 9, 651, 900	16, 700 71, 600	25, 700 107, 100	1, 906, 500 4 22, 395, 300	1. p.c. 1
				11,000	107, 100	- 22, 030, 000	
Total	21, 107, 800	1, 657, 500	20, 155, 900	878, 300	213, 600	44, 615, 700	1
Ohio Basin			4				•
Tygart River		-				1 3, 800	
Little Kanawha River	2,000					2,000	
Scioto River	98, 800		119, 900	5, 900	00.000	1 4, 900 253, 600	
Wabash River	14, 500		224, 800	3, 200	29, 000 11, 600	254, 100 254, 100	
Cumberland River	1.100	,	300	800		2, 200	
French Broad River Tennessee River and tributaries	122, 900			* 000		1 42, 200	
Ohio River	10,000	700	61, 800	1,800 5,000	36, 000 5, 000	160, 700 82, 500	
							
Total	249, 300	700	406, 800	16, 700	81, 600	806, 000	
White—Arkansas Basins				i .			1
White River		5, 500	74, 800		2, 800	83, 100	
Walnut River Verdigris River	29,000 361,300	17, 500 3, 200	20, 000 966, 600	7, 500 39, 100	FO 100	74, 000 1, 422, 300	最多達
Cottonwood River	221, 000	530, 000	429, 500	18,000	52, 100 6, 000	1, 204, 500	
Neosho River	129, 300	240, 200	158,000	32, 200	7,600	567, 300	
North Canadian River	76, 500	4 500	8,000 18,000	2, 500		87, 000	
Poteau River	5,000 500	4, 500	3, 500			27, 500 4, 000	
Arkansas River	350, 000						
		60, 700	181, 900		108, 800	701, 400	
-	1 170 000					701, 400	
Total	1, 172, 600	861,600	1,860,300	99, 300	108, 800		10
Total			1, 860, 300			701, 400	10
Total	20,000	861, 600	1, 860, 300 4 230, 000	99, 300	177, 300	701, 400 4, 171, 100 251, 500	
Total	20, 000 82, 400	861, 600	1, 860, 300 ⁸ 230, 000 140, 300	99, 300 1, 500 5, 400	177, 300 442, 100	701, 400 4, 171, 100 251, 500 681, 200	
Total	20,000	861, 600	1, 860, 300 4 230, 000	99, 300	177, 300	701, 400 4, 171, 100 251, 500	
Total	20, 000 82, 400	861, 600	1, 860, 300 ⁸ 230, 000 140, 300	99, 300 1, 500 5, 400	177, 300 442, 100	701, 400 4, 171, 100 251, 500 681, 200	
Total	20, 000 82, 400 348, 000	861, 600 11, 000 20, 000	1, 860, 300 ⁵ 230, 000 140, 300 354, 000	99, 300 1, 500 5, 400 13, 700	177, 300 442, 100 7, 500	701, 400 4, 171, 100 251, 500 681, 200 743, 200	
Total	20, 000 82, 400 348, 000	861, 600 11, 000 20, 000	1, 860, 300 ⁵ 230, 000 140, 300 354, 000	99, 300 1, 500 5, 400 13, 700	177, 300 442, 100 7, 500	701, 400 4, 171, 100 251, 500 681, 200 743, 200	
Total	20, 000 82, 400 348, 000	861, 600 11, 000 20, 000	1, 860, 300 ⁵ 230, 000 140, 300 354, 000	99, 300 1, 500 5, 400 13, 700	177, 300 442, 100 7, 500	701, 400 4, 171, 100 251, 500 681, 200 743, 200	
Total	20, 000 82, 400 348, 000 450, 400	861, 600 11, 000 20, 000	1, 860, 300 ⁵ 230, 000 140, 300 354, 000 724, 300	99, 300 1, 500 5, 400 13, 700 20, 600	177, 300 442, 100 7, 500	701, 400 4, 171, 100 251, 500 681, 200 743, 200 1, 675, 900	
Total	20, 000 82, 400 348, 000 450, 400	861, 600 11, 000 20, 000 31, 000	1, 860, 300 ⁸ 230, 000 140, 300 354, 000 724, 300	99, 300 1, 500 5, 400 13, 700 20, 600 20, 000	177, 300 442, 100 7, 500 449, 600	701, 400 4, 171, 100 251, 500 681, 200 743, 200 1, 675, 900 1, 550, 000	
Total	20, 000 82, 400 348, 000 450, 400 100, 000 433, 000 75, 000	861, 600 11, 000 20, 000	1, 860, 300 230, 000 140, 300 354, 000 724, 300 1, 430, 000 1, 320, 000 750, 000	99, 300 1, 500 5, 400 13, 700 20, 600 20, 000 76, 000 80, 000	177, 300 442, 100 7, 500 449, 600	701, 400 4, 171, 100 251, 500 681, 200 743, 200 1, 675, 900 1, 550, 000 1, 891, 200 1, 185, 300	
Total	20,000 82,400 348,000 450,400 100,000 433,000 75,000 1,057,000	861, 600 11, 000 20, 000 31, 000 28, 000 280, 300 6, 000	1, 860, 300 230, 000 140, 300 354, 000 724, 300 1, 430, 000 1, 320, 000 750, 000 2, 396, 000	99, 300 1, 500 5, 400 13, 700 20, 600 20, 000 76, 000 80, 000 347, 500	177, 300 442, 100 7, 500 449, 600 34, 200 34, 000	701, 400 4, 171, 100 251, 500 681, 200 743, 200 1, 675, 900 1, 550, 000 1, 891, 200 1, 185, 300 3, 840, 500	
Total	20, 000 82, 400 348, 000 450, 400 100, 000 433, 000 75, 000 1, 057, 000 753, 300	861, 600 11, 000 20, 000 31, 000 28, 000 280, 300	1, 860, 300 230, 000 140, 300 354, 000 724, 300 1, 430, 000 1, 320, 000 750, 000	99, 300 1, 500 5, 400 13, 700 20, 600 20, 000 76, 000 80, 000 347, 500 5, 100	177, 300 442, 100 7, 500 449, 600 34, 200 34, 000 4, 500	701, 400 4, 171, 100 251, 500 681, 200 743, 200 1, 675, 900 1, 550, 000 1, 891, 200 1, 185, 300 3, 840, 500 1, 803, 400	
Total	20,000 82,400 348,000 450,400 100,000 433,000 75,000 1,057,000	861, 600 11, 000 20, 000 31, 000 28, 000 280, 300 6, 000	1, 860, 300 230, 000 140, 300 354, 000 724, 300 1, 430, 000 1, 320, 000 750, 000 2, 396, 000	99, 300 1, 500 5, 400 13, 700 20, 600 20, 000 76, 000 80, 000 347, 500 5, 100 5, 100	177, 300 442, 100 7, 500 449, 600 34, 200 34, 000	701, 400 4, 171, 100 251, 500 681, 200 743, 200 1, 675, 900 1, 550, 000 1, 891, 200 1, 185, 300 3, 840, 500 1, 803, 400 20, 100	
Total	20, 000 82, 400 348, 000 450, 400 100, 000 433, 000 75, 000 1, 057, 000 753, 300 3, 000 3, 000	28, 000 280, 300 280, 300 280, 300 280, 300 22, 000	1, 860, 300 2 230, 000 140, 300 354, 000 724, 300 1, 430, 000 1, 320, 000 750, 000 2, 396, 000 1, 018, 500	99, 300 1, 500 5, 400 13, 700 20, 600 20, 000 76, 000 80, 000 347, 500 5, 100	177, 300 442, 100 7, 500 449, 600 34, 200 34, 000 4, 500	701, 400 4, 171, 100 251, 500 681, 200 743, 200 1, 675, 900 1, 550, 000 1, 891, 200 1, 185, 300 3, 840, 500 20, 100 7, 000 5, 700	
Total	20,000 82,400 348,000 450,400 100,000 433,000 75,000 1,057,000 753,300 15,000 3,000	28, 000 280, 300 280, 300 22, 000	1, 860, 300 230, 000 140, 300 354, 000 724, 300 1, 430, 000 1, 320, 000 750, 000 2, 396, 000 1, 018, 500	99, 300 1, 500 5, 400 13, 700 20, 600 20, 000 76, 000 80, 000 347, 500 5, 100 1, 500	177, 300 442, 100 7, 500 449, 600 34, 200 34, 000 4, 500	701, 400 4, 171, 100 251, 500 681, 200 743, 200 1, 675, 900 1, 550, 000 1, 891, 200 1, 185, 300 3, 840, 500 1, 803, 400 20, 100 7, 000	
Total	20, 000 82, 400 348, 000 450, 400 100, 000 433, 000 75, 000 1, 057, 000 15, 000 3, 000 3, 000 16, 900	28, 000 20, 300 31, 000 280, 300 6, 000 22, 000 2, 500	1, 860, 300 230, 000 140, 300 354, 000 724, 300 1, 430, 000 1, 320, 000 750, 000 2, 396, 000 1, 018, 500	99, 300 1, 500 5, 400 13, 700 20, 600 20, 000 76, 000 80, 000 347, 500 5, 100 1, 500 200	177, 300 442, 100 7, 500 449, 600 34, 200 34, 000 4, 500	701, 400 4, 171, 100 251, 500 681, 200 743, 200 1, 675, 900 1, 550, 000 1, 891, 200 1, 185, 300 3, 840, 500 1, 803, 400 7, 000 5, 700 6 185, 100	
Total	20, 000 82, 400 348, 000 450, 400 100, 000 433, 000 75, 000 1, 057, 000 753, 300 3, 000 3, 000	28, 000 280, 300 280, 300 22, 000	1, 860, 300 2 230, 000 140, 300 354, 000 724, 300 1, 430, 000 1, 320, 000 750, 000 2, 396, 000 1, 018, 500	99, 300 1, 500 5, 400 13, 700 20, 600 20, 000 76, 000 80, 000 347, 500 5, 100 1, 500	177, 300 442, 100 7, 500 449, 600 34, 200 34, 000 4, 500	701, 400 4, 171, 100 251, 500 681, 200 743, 200 1, 675, 900 1, 550, 000 1, 891, 200 1, 185, 300 3, 840, 500 20, 100 7, 000 5, 700	
Total	20, 000 82, 400 348, 000 450, 400 100, 000 433, 000 75, 000 1, 057, 000 753, 300 15, 000 3, 000 16, 900 2, 356, 200	28, 000 280, 300 6, 000 2, 500 2, 500	1, 860, 300 230, 000 140, 300 354, 000 724, 300 1, 430, 000 1, 320, 000 750, 000 2, 396, 000 1, 018, 500	99, 300 1, 500 5, 400 13, 700 20, 600 20, 000 76, 000 80, 000 347, 500 5, 100 1, 500 1, 500 200 515, 400	177, 300 442, 100 7, 500 449, 600 34, 200 34, 000 4, 500 72, 700	701, 400 4, 171, 100 251, 500 681, 200 743, 200 1, 675, 900 1, 550, 000 1, 891, 200 1, 185, 300 3, 840, 500 20, 100 7, 000 5, 700 6 185, 100 8, 938, 300	
Total	20, 000 82, 400 348, 000 450, 400 100, 000 433, 000 75, 000 1, 057, 000 15, 000 3, 000 3, 000 16, 900	28, 000 20, 300 31, 000 280, 300 6, 000 22, 000 2, 500	1, 860, 300 230, 000 140, 300 354, 000 724, 300 1, 430, 000 1, 320, 000 750, 000 2, 396, 000 1, 018, 500	99, 300 1, 500 5, 400 13, 700 20, 600 20, 000 76, 000 80, 000 347, 500 5, 100 1, 500 200	177, 300 442, 100 7, 500 449, 600 34, 200 34, 000 4, 500	701, 400 4, 171, 100 251, 500 681, 200 743, 200 1, 675, 900 1, 550, 000 1, 891, 200 1, 185, 300 3, 840, 500 1, 803, 400 7, 000 5, 700 6 185, 100	3

Unclassified.
 Includes all agricultural losses.
 Includes losses of \$86,000 which were not classified.

⁴ Includes losses of \$5,000 which were not classified.
5 Includes all crop losses.
6 Includes losses of \$67,500 which were not classified.

ESTIMATED FLOOD LOSSES FOR 1944 AND 1945—Continued

1945

	1945						
River and drainage	Tangible property	Matured crops	Prospective crops	Livestock and other movable farm property	Suspension of business	Total	Lives lost
Red River of the North	\$18,300				\$500	\$ 18, 800	
ST. LAWRENCE DRAINAGE							
Clinton River						1 100, 000	
ATLANTIC SLOPE DRAINAGE						1 ສ. 500, 000	3
Streams in Lake Section, Renssalaer County, New York	790,000				20,000	1, 010, 000 125, 000	
Brandywine Creek Delaware River	35, 000	700		\$1,000	25, 000 205, 000	61, 700 1, 032, 000	
James River		10, 000 75, 300	\$11,300		2,000 59,100	12, 000 182, 700	3
Pee Dee River	192, 500	35, 000 38, 000	12, 000	10, 500 3, 900	128, 500 7, 000	378, 500 78, 900	
Congaree River	34,000	207,000		1,000	51, 300	293, 300 38, 000	
Santee River		25, 000 11, 800			10, 000 1, 500	23, 400	
Total	1, 973, 500	702, 800	23, 300	26, 500	509, 400	6, 735, 500	6
EAST GULF OF MEXICO DRAINAGE						04 000	
Apalachicola River			10, 000 3, 000		14, 800 500	24, 800 3, 500	
Tombigbee River	10, 300	10,000	70,000	6, 500 20, 200	33, 200 44, 000	50, 000 189, 200	
Total		10,000	83,000	26, 700	92, 500	267, 500	
MISSISSIPPI SYSTEM							٠
Upper Mississippi Basin							
Tributaries of Mississippi River in Wisconsin	162, 700 50, 000	21, 500	131, 500 12, 500	3, 700 5, 000	16, 900	336, 300 2 135, 000	
Skunk River	500		5, 600		500 1,000	1,000	
Raccoon River	42,000	2, 500	30, 500	3,000	9,000	87, 000 714, 700	
Illinois River	1,590,500	80, 500 252, 000	580, 900 270, 500	10, 800 7, 000	5, 000	2, 120, 000	
Mississippi River (above Cape Girardeau, Mo.)	920, 900	456, 800	3,770,000	78, 100	648, 000	5, 873, 800	
Total	2, 818, 100	813, 300	4,801,500	107, 600	680, 400	9, 288, 400	
Clark Fork	17, 500					17, 500 18, 000	
Big Horn River Tongue River	1,000		1, 200			2, 200	
Powder RiverYellowstone River	2, 500 28, 500					28, 500	
Knife River					5, 000	14, 600 7, 000	
Square Butte Creek Heart River	103, 600		10,000 24,200		3, 300 85, 500	116, 900 129, 900	
Big Sioux River and North Creek. Floyd River and streams in Sioux City area	_ 16,000			1	600	16, 600	
Oak CreekPlatte River in Missouri	764, 000		100,000 1,364,100	7,000 1,700	3, 700 2, 000	146, 400 2, 131, 800	
Solomon and Saline Rivers Smoky Hill River	244,600		784, 500 1, 389, 800	6, 000 1, 800	13, 200	1, 048, 300 1, 548, 200	
Nemaha River			507, 800 1, 580, 300	4,600 3,000	3, 300 1, 300	584, 100 1, 701, 700	
Republican RiverKansas River	1, 308, 000	12,500	7, 244, 900	64, 100	185, 600	8, 815, 100	
Grand RiverChariton River			5, 764, 000 1, 254, 600	3, 800 700	30, 100 900	6, 524, 900 1, 417, 700	
Osage River Gaseonade River	485, 300	315, 000	1, 356, 400 526, 900	165, 000 135, 100	88, 500 135, 000	2, 410, 200 1, 402, 300	4
Minor tributaries of Missouri River	_ 782,000	75, 200	2, 693, 100	171, 700	173, 600 9, 800	3, 895, 600 2, 422, 500	
Missouri River Total		412,700	1, 944, 000 26, 545, 800	5, 200	741, 400	34, 402, 500	4
Ohio Basin			,	1	24, 100	⁸ 414, 800	
Allegheny River	_ 277,000				121, 700	398, 700	
New River Scioto River	. 11,000	34,000 1,000	1, 300 50, 000	200	10,000	46, 500 80, 500	
Little Miami River	73,000	5, 000	2, 500	4, 500	27, 600 1, 700	112, 600 4, 000	
Licking RiverKentucky River	_ 51,000				28, 600	79, 600 5, 798, 700	
White River	1,000		2, 000 140, 000		2,700	5 6, 794, 000	2
Cumberland River Ohio River	_ 39,700	10, 000 54, 200		1, 500 50, 000	8, 500 4, 703, 000	64, 700 39, 093, 000	25
Total.		104, 500	333, 000	56, 200	4, 927, 900	52, 887, 100	27
White Basin	243, 500	100, 300	933, 000	57, 500	137, 500	1, 471, 800	

See footnotes at end of table.

ESTIMATED FLOOD LOSSES FOR 1944 AND 1945—Continued

1945—Continued

			· 	1			1
River and drainage	Tangible property	Matured crops	Prospective crops	Livestock and other movable farm property	Suspension of business	Total	Lives lost
mississipri—continued		:		į			
Arkansas Basin	41, 222	** ***				4	
Cimarron River	\$6,000 333,000	\$1,000 115,500	\$18,000 615,900	\$1,500 45,000	\$21,500	\$26, 500 1, 130, 900	
Cottonwood River	70,000	33, 000	112,000	7,000	35, 000	257, 000	
Neosho River	524, 300 3, 118, 900	34, 700 193, 500	629, 500 1, 368, 900	44, 200 171, 500	35, 100 73, 100	1, 267, 800 4, 925, 900	19
Poteau River	800	1, 200	1,100	171, 500	10, 100	3, 100	
Arkansas River	3, 528, 000	578, 500	1, 399, 400	47, 500	432, 300	5, 985, 700	1
Total	7, 581, 000	957, 400	4, 144, 800	316, 700	597, 000	13, 596, 900	20
Red Basin							
Ouachita River in Arkansas. Black, Ouachita in Louisiana and Atchafalaya Rivers; Red River below Alex-	1, 222, 500	69, 500	395, 200	445, 100	179, 300	2, 311, 600	
andria, La.: Mississippi River below Natchez, Miss	1, 960, 100	1,090,300	4, 285, 600	740, 300	782, 500	8, 858, 800	
Red River above Alexandria, La	3, 760, 000	5, 653, 000		782, 600	82, 800	7 11, 038, 800	6
Total	6, 942, 600	6, 812, 800	4, 680, 800	1,968,000	1,044,600	22, 209, 200	6
Wolf River	500	1,000		300		1, 800	
St. Francis River	35,000	15,000	465, 000	1,000	45,000	561,000	
Yazoo River	155,000		1,000,000	25,000	55,000	1, 235, 000	
	329, 100	60, 600	1, 319, 800	30, 200	63, 800	1, 803, 500	
Total	519,600	76, 600	2, 784, 800	56, 500	163, 800	3, 601, 300	
WEST GULF OF MEXICO DRAINAGE Sabine River	2,006,500	13, 000	251, 500	221, 500	423, 800	2, 916, 300	
Trinity River	1, 556, 900	322, 500	5, 193, 700	183, 500	219, 500	7, 476, 100	4
Brazos River	105,000	106, 300	337, 500	15,000	11, 500	575, 300	
Guadalupe RiverRio Grande River	1,500		16, 000 500	900		18, 400 500	
Total	3, 669, 900	441. 800	5, 799, 200	420, 900	654, 800	10, 986, 000	
	3,009,900	441, 800	3, 199, 200	420,900	004, 800	10, 930, 000	4
GULF OF CALIFORNIA DRAINAGE							
Colorado Basin	170 000				F 000	101 500	
Gus River	176,000			500	5, 000	181, 500	10
GREAT BASIN DRAINAGE	400.000			ļ {	1	* ****	
Great Basin Drainage	400,000					⁸ 520, 000	
PACIFIC SLOPE DRAINAGE						1 00 F	_
Tehachapi River Tule, Fresno, Kings, Kaweah Rivers and Tulare Lake	1.323 400		1 105 100			1 62, 500 2, 428, 500	3
San Joaquin River	[[8, 500				9 366, 700	
Sacramento River Eel River		2,000	50, 000	200	11, 500	10 381, 900 1 12, 500	
Klamath, Rogue, and Umpqua Rivers	77, 800		200, 000	500		278, 300	2
Klamath, Rogue, and Umpqua Rivers						1 6, 000, 000	9
Total	1, 456, 700	10, 500	1, 355, 100	700	11, 500	9, 530, 400	14
Grand Totals	38, 191, 000	10, 442, 700	51, 484, 300	3, 607, 500	9, 566, 300	165, 796, 900	91

Unclassified.
 Includes losses of \$67,500 which were not classified.
 Includes losses of \$344,400 which were not classified.
 Includes losses of \$5,793,000 which were not classified.
 Includes losses of \$6,654,000 which were not classified.

Includes losses of \$28,470,000 which were not classified.
Includes losses of \$760,400 which were not classified.
Includes losses of \$120,000 which were not classified but resulting mostly to crops.
Includes losses of \$358,200 which were not classified.
Includes losses of \$262,700 which were not classified.